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(54) **IMAGE FORMING APPARATUS, IMAGE FORMING METHOD, AND COMPUTER-READABLE STORAGE MEDIUM THAT CHANGE DATA LENGTHS OF FIRST DATA AND SECOND DATA ACCORDING TO A CONDITION OF IMAGE FORMATION**

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See application file for complete search history.

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(57) **ABSTRACT**

An image forming apparatus includes a serial data output unit configured to convert image data into serial data and output the serial data along with first data for detecting unique data in the image data and second data so that the first data is arranged before the image data and the second data is arranged after the image data; a data length change unit configured to change data lengths of the first data and the second data; a parallel data output unit configured to convert the image data of the serial data output from the serial data output unit into parallel data, and output the parallel data; and a data controller configured to control the data length change unit to change the data lengths of the first data and the second data to be arranged before and after the image data according to a condition of image formation.

11 Claims, 7 Drawing Sheets